

Title (en)
UNSTRUCTURED ROAD BOUNDARY DETECTION

Title (de)
ERKENNUNG VON UNSTRUKTURIERTEM STRASSEN RAND

Title (fr)
DÉTECTION DE LIMITES DE ROUTE NON STRUCTURÉE

Publication
EP 3036714 A4 20170510 (EN)

Application
EP 13891976 A 20130823

Priority
CN 2013082193 W 20130823

Abstract (en)
[origin: WO2015024257A1] A method for detecting unstructured road boundary is provided. The method may include: obtaining a color image; selecting a candidate road region within the color image according to a road model; identifying a seed pixel from the candidate road region; obtaining a brightness threshold and a color threshold, where the brightness threshold and the color threshold are determined according to brightness distances and color distances from pixels in the candidate road region to the seed pixel; and performing road segmentation by determining whether the pixels in the candidate road region belong to a road region based on the brightness threshold and the color threshold. The amount of computation can be reduced greatly by using the improved unstructured road boundary detection method.

IPC 8 full level
G06K 9/00 (2006.01); **G06K 9/34** (2006.01); **G06K 9/42** (2006.01); **G06K 9/46** (2006.01); **G06K 9/48** (2006.01); **G06T 7/00** (2017.01); **G06T 7/11** (2017.01); **G06T 7/12** (2017.01); **G06T 7/136** (2017.01); **G06T 7/143** (2017.01); **G06T 7/181** (2017.01); **G06V 10/56** (2022.01)

CPC (source: EP US)
G06T 7/11 (2016.12 - EP US); **G06T 7/12** (2016.12 - EP US); **G06T 7/136** (2016.12 - EP US); **G06T 7/143** (2016.12 - EP US); **G06T 7/181** (2016.12 - EP US); **G06V 10/267** (2022.01 - EP US); **G06V 10/56** (2022.01 - EP US); **G06V 20/588** (2022.01 - EP US); **G06T 2207/10024** (2013.01 - EP US); **G06T 2207/30256** (2013.01 - EP US)

Citation (search report)
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• See references of WO 2015024257A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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WO 2015024257 A1 20150226; WO 2015024257 A8 20160107; CN 105493141 A 20160413; CN 105493141 B 20180914; EP 3036714 A1 20160629; EP 3036714 A4 20170510; EP 3036714 B1 20191204; US 2016171314 A1 20160616; US 9971944 B2 20180515

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